

# User Guide

## Vodafone Mobile Wi-Fi

### R212

Designed  
by Vodafone



# Welcome

to the world of mobile communications

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# Welcome

## System requirements

To use the Vodafone Mobile Wi-Fi R212 you need a device with Wi-Fi capability.

### Tip:

For advanced configuration, the web UI password is 'admin'.

The Vodafone Mobile Wi-Fi R212 creates a personal portable Wi-Fi zone which allows several Wi-Fi enabled devices (for example PCs, Laptops, Android devices including the Samsung® Galaxy Tab, Apple® iPhone and iPad or mobile gaming devices such as Nintendo® DSi) to share a secure mobile internet connection.

The device is battery, mains or USB powered, and this flexibility allows the device to be positioned for best mobile coverage and then share this coverage between several devices via Wi-Fi.

## Advanced configuration using a cable or Wi-Fi

To perform advanced configuration of the device browse to the web UI <http://VodafoneMobile.wifi> or <http://192.168.0.1> from a computer running Microsoft® Windows® 8, Windows® 8 RT (Wi-Fi access only), Windows® 7 (SP1 recommended), Windows Vista™ (SP2 recommended), or Windows® XP (SP3 recommended), a computer running Linux (Wi-Fi configuration only, not cable), or an Apple Mac running Mac OS® X 10.5 (Intel®), 10.6, 10.7 or 10.8 (all with latest updates).

## Advanced configuration for smartphone / tablet users

Apple device users should use the Safari browser to browse to the web UI <http://VodafoneMobile.wifi> or <http://192.168.0.1>, or download the Vodafone Mobile Wi-Fi Monitor app. Smartphone and tablet users can check the device status by downloading the Vodafone Mobile Wi-Fi Monitor app from the App Store in iTunes or the Android Market / Google Play. See Page 16 for sample app screenshots.

# Device overview

## Tip:

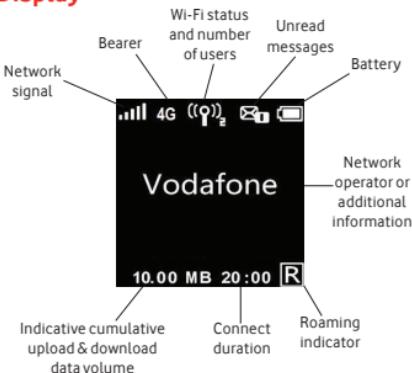
To save power the display is switched off after 10 seconds.

The screen can be displayed by briefly touching the power on/off button.

The screen will also be displayed whenever the status of the device changes.



## Status Display



## End User Licence Agreement (EULA)

Please ensure that you have read and accepted the software EULA for your country before using the Vodafone Mobile Wi-Fi application or device. The EULA is available here: [www.support.vodafone.com/VodafoneMobileWiFi/R212](http://www.support.vodafone.com/VodafoneMobileWiFi/R212)

## Getting started: Step 1 of 2

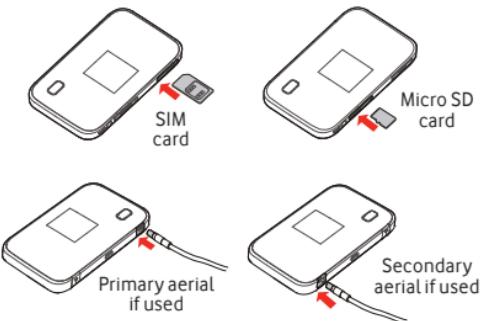
Note: Once setup is complete, when connected to the R212 via USB (and you have installed the software onto your PC) you can access the configuration screen by clicking on the Mobile Wi-Fi desktop icon .

Alternatively, if you are connected over Wi-Fi, you can enter the following addresses into your browser:

<http://VodafoneMobile.wifi> or <http://192.168.0.1>

You may want to save these addresses as favourites in your browser so you can access the Mobile Wi-Fi web UI application screen easily.

1. To prepare the Vodafone Mobile Wi-Fi R212, you need to insert your SIM (and MicroSDHC card if you are using one for file storage and sharing) before use. Using aerials may improve mobile network signal reception.



2. The device has a built-in battery, and is now ready to use - plug it into the mains or your PC. The battery will be charged in the background. Make sure the device is fully charged (approximately 3 hours on mains) before using it in battery mode. Please only use the supplied charger with this device.
3. Switch on the device by pressing and holding the power button for 3 seconds. The device will go through its start-up sequence, and will automatically connect to the network unless a PIN code is required. Check the display for connection status.

## Getting started: Step 2 of 2

### Tip:

A double tap of the power key will show the current Wi-Fi network name and Wi-Fi network key on the device display.

The Vodafone Mobile Wi-Fi R212 will automatically connect to the Mobile Broadband network when it is powered on.

If required, this default automatic network connection can be changed to a manual connection via the web UI of the device.

4. The Wi-Fi network name (SSID) and secure Wi-Fi network key are engraved on the back of the device (see diagram below for location). Use the normal Wi-Fi application on your computer or device to connect. Select the Mobile Wi-Fi network from the list of available Wi-Fi networks, click Connect and enter the WPA2 password (secure Wi-Fi network key). If your connecting device has WPS functionality, you can press and hold the WPS button on the R212 for 5 seconds, then any WPS-enabled device can connect without requiring the network key.

Congratulations – you now have internet access via Vodafone Mobile Wi-Fi.

Network name and key



WPS button



5. When you are connected to the Vodafone Mobile Wi-Fi R212 via Wi-Fi or a USB cable, you can access the Vodafone Mobile Wi-Fi configuration screen by clicking on the Mobile Wi-Fi desktop icon (if you have installed via USB), or by typing either <http://VodafoneMobile.wifi> or <http://192.168.0.1> into your web browser. You can change settings and check the device and network status from this browser page.

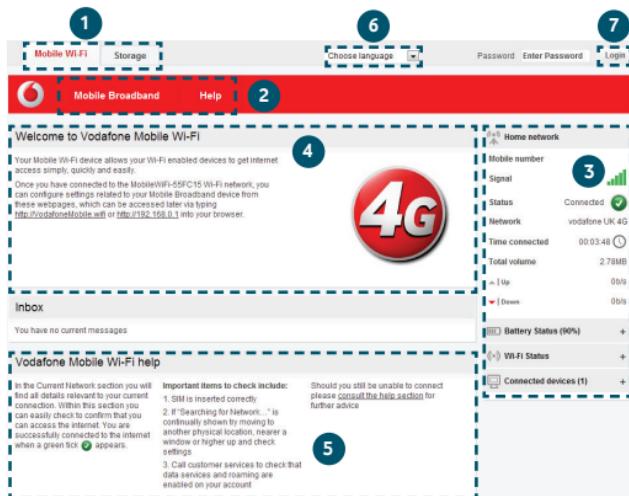
# Mobile Wi-Fi web UI application screen

- 1 **Navigation tabs:** Select Mobile Wi-Fi, Storage, SMS or Account view
- 2 **Navigation bar:** Select an area within each view
- 3 **Current network panel:** Status of mobile broadband network connection, battery and Wi-Fi status and connected devices
- 4 **Content area:** Content for current area
- 5 **Context help:** Context-sensitive help for current area
- 6 **Language selection:** Defaults to browser language
- 7 **Login/Logout:** For advanced configuration options. Default password is 'admin'

Note: Every window in the Mobile Wi-Fi web UI application has this same standard layout.

Context-sensitive help for each window is always available at the bottom of the window.

Sometimes an additional Menu bar will appear on the left of the window.



## Current network panel

Note: In addition to the Current network panel, there are drop-down panels for Battery status (percentage charge / battery time remaining), Wi-Fi status and Connected devices (devices currently connected to the Vodafone Mobile Wi-Fi R212).

The Current network panel appears on the right-hand side of every screen within the Vodafone Mobile Wi-Fi web UI application, with additional panels for battery, Wi-Fi and connected device status below. ‘Roaming network’ is shown at the top of the panel when you are roaming on another operator’s network, or ‘Home network’.

**Mobile number** – Shown if permitted by your network operator

**Signal** – More bars indicates better mobile broadband network signal. For best performance position the device so 3 or more bars are displayed with 4G coverage in the Network field

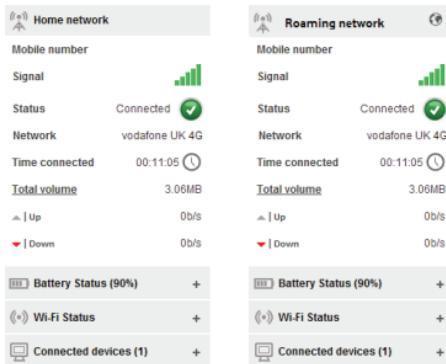
**Status** – Tick when connected to network; Cross when not connected

**Network** – Name and bearer of currently connected network

**Time connected** – For current connection to network

**Total volume** – Approximate cumulative data usage

**Up / Down** – Approximate connection speed: ‘Up’ to the network from your computer, and ‘Down’ from the network.



# Mobile Wi-Fi view

## IMPORTANT

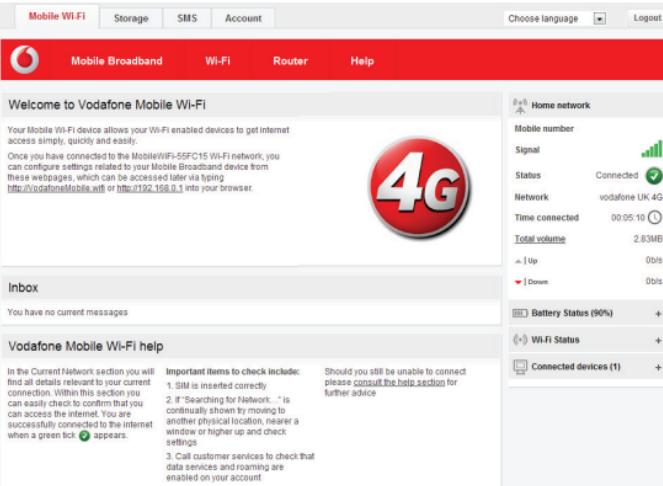
We recommend that you ensure that the Wi-Fi security settings meet your personal requirements.

To change the admin password, enter 'admin' into the Password box and click Login. Select **Router** on the Navigation bar, then **Router Settings** from the left hand Menu bar.

To modify the SSID and secure network key, select **Wi-Fi** on the Navigation bar, then **Security** from the left hand Menu bar.

The Mobile Wi-Fi view has four options on the Navigation bar covering device configuration: Mobile Broadband, Wi-Fi, Router, and Help.

For an explanation on using these features either read the context-sensitive help on the relevant page, or consult the Advanced Configuration Guide, available here:  
[www.support.vodafone.com/VodafoneMobileWiFi/R212](http://www.support.vodafone.com/VodafoneMobileWiFi/R212)



The screenshot shows the Vodafone Mobile Wi-Fi application interface. At the top, there is a navigation bar with tabs for "Mobile Wi-Fi", "Storage", "SMS", and "Account". To the right of the tabs are buttons for "Choose language", "Logout", and a user icon. Below the navigation bar is a red header bar with the Vodafone logo and the text "Mobile Broadband", "Wi-Fi", "Router", and "Help". The main content area has a white background. It starts with a "Welcome to Vodafone Mobile Wi-Fi" message. Below this, there is a section titled "Inbox" which states "You have no current messages". Further down is a "Vodafone Mobile Wi-Fi help" section. This section contains a list of "Important items to check include:":

- 1. SIM is inserted correctly
- 2. If "Searching for Network" - " is continually shown by moving to another physical location, nearer a window or higher up and check settings
- 3. Call customer services to check that data services and roaming are enabled on your account

On the right side of the screen, there is a sidebar with various status indicators and links:

- Home network**
- Mobile number**
- Signal** (Connected)
- Status** (Connected)
- Network** (vodafone UK 4G)
- Time connected** (00:05:10)
- Total volume** (2.83MB)
- Up** (0b/s)
- Down** (0b/s)
- Battery Status (90%)**
- Wi-Fi Status**
- Connected devices (1)**

## Storage view

Storage allows you to use the Mobile Wi-Fi R212 to upload and download files to the device, using it as a centralised storage hub for sharing files with other users or devices using the device.

The Storage view has three options on the Navigation bar covering storage settings: File Storage, Sharing, and Help.

For an explanation on using these features either read the context-sensitive help on the relevant page, or consult the Advanced Configuration Guide, available here:

[www.support.vodafone.com/VodafoneMobileWiFi/R212](http://www.support.vodafone.com/VodafoneMobileWiFi/R212)

The screenshot shows the 'Storage' tab selected in the top navigation bar. Below it, there are three main tabs: 'File Storage', 'Sharing', and 'Help'. The 'File Storage' tab is active, displaying a section for a Micro SD card. It shows a small icon of a microSD card, the label 'Micro SD', and the text '358.03MB of 7.38GB'. To the right of this section is a detailed status panel for the 'Home network'. The panel includes information such as 'Mobile number', 'Signal' strength, 'Status' (Connected), 'Network' (vodafone UK 4G), 'Time connected' (00:07:54), 'Total volume' (2.83MB), and download/upload speeds (0b/s). Below the network status are sections for 'Battery Status (90%)', 'Wi-Fi Status', and 'Connected devices (1)'. At the bottom of the screen, there is a horizontal menu with several options: Mobile Broadband, WiFi, Router, Storage, SMS, Account, Help, and a 'More' section containing Diagnostics, Device Controls, About, Support, and Online support. Under 'Mobile Broadband', there are links for Status, SIM Management, Mobile Broadband Control, and Mobile Broadband Network. Under 'WiFi', there are links for WiFi Settings, MAC Settings, and Security Settings. Under 'Router', there are links for Router settings, DHCP Settings, NAT settings, DMZ Settings, and Advanced. Under 'Storage', there are links for Sharing Settings. Under 'SMS', there are links for Inbox, Write SMS, Send, Drafts, and Settings. Under 'Account', there are links for Account details and Account type.

## SMS view

Note: When you select the checkbox in the title bar of the Inbox, Sent folder or Draft folder, all messages in that folder are selected. This is useful if you want to delete multiple messages. It is not possible to forward multiple messages.

In the Settings area you can select or de-select the SMS preview in the Mobile Wi-Fi view.

The SMS view has six options on the Navigation bar covering all messaging functions: Inbox, Write, Sent, Draft, Settings and Help.

By default the Vodafone Mobile Wi-Fi device will re-direct your browsing session to the Mobile Wi-Fi web UI application screen when new SMS messages are received. This setting can be changed via the message preview option within the SMS Settings area.

The screenshot shows the Vodafone Mobile Wi-Fi web interface. At the top, there is a navigation bar with tabs: Mobile Wi-Fi, Storage, SMS (which is selected), and Account. To the right of the tabs are links for 'Choose language' and 'Logout'. Below the navigation bar is a red header bar with icons for signal strength, battery status, and network connection. The main content area is divided into several sections:

- Inbox (1)**: A table showing one message from 'Wednesday, August 15, 2012 16:19:00' with the subject '+447XXXXXXX please call me when you have a minute'. Below the table are 'Forward' and 'Delete' buttons.
- SMS help**: A section with text explaining how to manage messages in the inbox, forward them, and delete unwanted ones. It also mentions the 'Message Preview' setting.
- Mobile Broadband**: Options include Status, SIM PIN Management, WiFi Settings, MAC Settings, Security Settings, and Mobile Broadband Connection.
- Wi-Fi**: Options include Router settings, DHCP Settings, NAT settings, DMZ Settings, and Advanced.
- Router**: Options include Router settings, DHCP Settings, NAT settings, DMZ Settings, and Advanced.
- Storage**: Options include Sharing Settings.
- SMS**: Options include Inbox, Write, SMS, Send, Drafts, and Settings.
- Account**: Options include Account details and Account type.
- Help**: Options include Help, Diagnostics, Device Controls, About, Support, and Online support.

## Account view

The Account view has three options on the Navigation bar: Account details, Account type and Help.

Your account type should be determined automatically by the Vodafone Mobile Wi-Fi device to match the inserted SIM card.

Depending on the network operator, prepaid users may have the option to top-up their account and check their prepaid balance via this view.

**Note:** The options that are displayed on the Navigation bar are dependent on the account type selected.

The screenshot shows the 'Account' view of the Vodafone Mobile Wi-Fi app. At the top, there is a navigation bar with tabs: 'Mobile Wi-Fi', 'Storage', 'SMS', and 'Account'. The 'Account' tab is currently selected. To the right of the tabs are buttons for 'Choose language' and 'Logout'. Below the navigation bar is a red header bar with the Vodafone logo and three buttons: 'Account details', 'Account type', and 'Help'. The main content area is divided into several sections. On the left, there is a sidebar with links for 'Mobile Broadband', 'Wi-Fi', 'Router', 'Storage', 'SMS', 'Account', and 'Help'. The 'Mobile Broadband' section includes links for 'Status', 'SIM Management', 'Mobile Broadband Connection', and 'Mobile broadband Network'. The 'Wi-Fi' section includes links for 'Wi-Fi Settings', 'MAC Settings', 'Security Settings', and 'Advanced'. The 'Router' section includes links for 'Router Settings', 'DHCP Settings', 'NAT Settings', 'DMZ Settings', and 'Advanced'. The 'Storage' section includes links for 'Sharing Settings'. The 'SMS' section includes links for 'Inbox', 'Write SMS', 'Sent', 'Drafts', and 'Settings'. The 'Account' section includes links for 'Account details' and 'Account type'. The 'Help' section includes links for 'Help', 'Diagnostics', 'Device Controls', 'About', 'Support', and 'Online support'. On the right side of the screen, there is a summary panel titled 'Home network' showing 'Mobile number', 'Signal', 'Status' (Connected), 'Network' (vodafone UK 4G), 'Time connected' (00:11:05), 'Total volume' (3.06MB), 'Up' (0b/s), 'Down' (0b/s), 'Battery Status (90%)', 'Wi-Fi Status', and 'Connected devices (1)'. There is also a '+' button next to each of these status items.

## Device status screen icons

The device status screen is constantly updated with the current status of the device and network connection. If the screen is not displayed while the Vodafone Mobile Wi-Fi R212 is powered on (the display is switched off after 10 seconds to save power), briefly touch the power on/off button and the screen will be displayed.

Sample icons and their meanings:

Note: A double tap of the power key will show the current Wi-Fi network name and Wi-Fi network key on the device display.

The device contains a reset button inside the battery compartment. The reset button will set the device back to the initial factory default settings.

This includes the reset of the security settings back to their original settings, which is useful should the secure Wi-Fi network key be forgotten.

### Network signal:



connecting to network



excellent signal (not connected)



excellent signal (connected)



unable to connect

### Wi-Fi status and number of users:



3 users connected

### Unread messages:



2 unread SMS

### Battery:



fully charged



discharged

## Hints and tips

The Linux licence information can be found here:  
[www.support.vodafone.com/  
VodafoneMobileWiFi/  
R212](http://www.support.vodafone.com/VodafoneMobileWiFi/R212)

Note: Please only use the correct charger for your region – the charger supplied in the box with the Wi-Fi device. For details about a specific charger, contact your network operator.

### The application won't install on Windows

If the software does not install, or the install progress bar keeps looping

- From the Windows Start menu, select Settings>Control Panel>System>Hardware>Device Manager
- Expand ‘Universal Serial Bus Controllers’
- Right-click ‘USB Mass Storage Device’ and select ‘Uninstall’
- If your devices are not reloaded, select ‘Scan for Hardware changes’ from the ‘Action’ menu.

### Cannot open Mobile Wi-Fi web UI application window

The following things may prevent you from opening the Vodafone Mobile Wi-Fi web UI application window by double-clicking the desktop icon  (if you have installed via a USB connection) or entering the address <http://VodafoneMobile.wifi> or <http://192.168.0.1> into your web browser:

- Your computer already has a connection via an ethernet LAN cable
- Your computer already has a connection via a different Wi-Fi network. You must be connected to the R212 via Wi-Fi or via USB cable to access the application window
- You may be using a VPN (Virtual Private Network).

Unplugging the LAN cable, exiting your VPN, and checking that you are connected to the Vodafone Mobile Wi-Fi SSID / network may solve the problem.

## Hints and tips

Note: If you can see the application window in your browser, you can find more hints and tips in the Help area.

Selecting the Help option on the Navigation bar in any view, and then 'Diagnostics' in the Menu bar, may help you to identify a problem.

This area also shows information that may be required if you need to contact Support at your mobile network operator.

Select 'Support' from the Menu bar for more information and local support contact details.

### No network can be found

- Change your physical location: in a building, move closer to a window, move higher up, or go outside
- Ensure the device is registered to the mobile broadband network by checking the R212 device display or by opening the Mobile Wi-Fi web UI application window and checking the device is connected (indicated via the green tick)
- Select the Settings heading on the Navigation bar
- If the device is searching for a network then ensuring the device is set to 3G Preferred in the network settings section may help
- If you are roaming then click 'Search' to search for available networks
- See if you can connect to one of the networks listed
- Click 'Save' to save your change
- Contact Support, and check that data services and roaming are enabled on your account.

### No connection can be opened (1)

- Type <http://VodafoneMobile.wifi> or <http://192.168.0.1> into your browser, and check the device status (Mobile Wi-Fi>Mobile Broadband tab, Help on Settings bar, and select Diagnostics from the menu)
- This may indicate the source of the problem. You should see a green tick in the networks panel to indicate that the device is connected to the mobile broadband network.

## Hints and tips

**Note:** If you want to re-install the software from the Mobile Wi-Fi device, you need to first delete the Vodafone Mobile Wi-Fi Service software from your computer.

- From the Windows Start menu, select Settings>Control Panel> Add or Remove Programs (XP) or Programs and Features (Windows 7)
- Remove the Vodafone Mobile Wi-Fi Service
- Re-attach your Mobile Wi-Fi device to your computer using the USB cable and the software will re-install.

### No connection can be opened (2)

- Wait a few minutes and try to connect again. This is most often a temporary problem. If the problem persists, please try the steps below
- Close the application window and then re-open it
- Re-start your Vodafone Mobile Wi-Fi device and connecting devices
- Open the Mobile Wi-Fi web UI application window
- Select the Account tab
- Select the Account type heading in the Navigation bar
- Check that the type of account you have with your mobile network operator is selected in the drop-down menu
- Check the device is set to automatically connect to the network. In roaming, the device is setup to not automatically connect to the network. The device should prompt you to connect to the network via the application window.
- Select the Settings heading on the Navigation bar
- Select the Network entry in the Menu bar on the left
- Check which option is selected. If the option is set to a ‘Preferred’ option, set it to an ‘Only’ option
- Click ‘Save’ to save your change
- If you are using a VPN (Virtual Private Network), contact the administrator of your VPN.

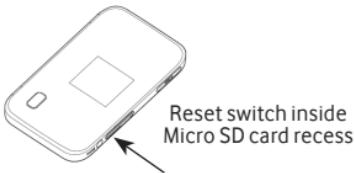
## Hints and tips

### Cannot connect using the WPS button

- Make sure WPS is enabled by holding down the WPS button for 5 seconds on your R212 and then connecting within 2 minutes
- If required make sure you activate the WPS feature on your connecting device
- WPS will not work with Wired Equivalent Privacy (WEP). If you have even just one device on the R212 network that only supports WEP, you can't use WPS. The default (WPA2) allows interworking with WPS.
- Refer to the user guide of the device you are connecting to the R212 to make sure it supports WPS.
- Make sure you haven't switched off WPS via the web UI.

### Resetting the device back to factory values

- Locate the reset button
- While the device is switched on, insert the end of a paper clip into the reset button hole, press the button with the clip and hold down until the Vodafone logo appears on the device screen (approximately 5 seconds), and release the button
- The device will now be reset to factory settings, including SSID, passwords and Wi-Fi security settings.

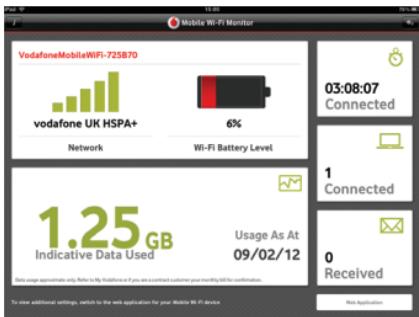


## Hints and tips

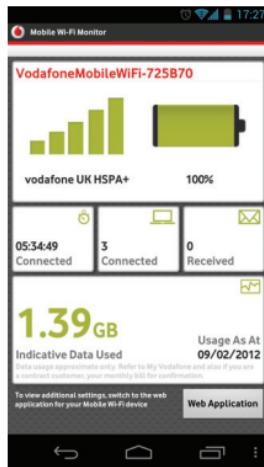
### Using the Vodafone Mobile Wi-Fi Monitor app on iPhone, iPad, iPod Touch, smartphone, tablet

- Download the Vodafone Mobile Wi-Fi Monitor app from the App Store in iTunes or the Android Market / Google Play
- Click on the app icon 
- Sample monitor screens show below.

Tablet / iPad



iPhone / smartphone



## Glossary

<b>Bearer</b>	Communication method used for data transport over the mobile network, eg. 3G Broadband, HSPA, 3G, etc.
<b>EDGE</b>	An enhancement to the GPRS bearer offering higher speeds, although not as fast as 3G Broadband.
<b>GPRS</b>	The General Packet Radio Service is a bearer offering higher data speeds than GSM, on which it is based.
<b>Home network</b>	The network of the mobile operator who provided your SIM.
<b>HSPA</b>	High-Speed Packet Access bearer, enhancing 3G, including both HSUPA (Uplink) and HSDPA (Downlink).
<b>HSPA+</b>	Enhanced HSPA network offering faster speeds.
<b>HSUPA</b>	High-Speed Uplink Packet Access bearer.
<b>3G</b>	The third-generation mobile phone service, as UMTS (Universal Mobile Telecommunications System) is also known, is a bearer providing higher data speeds.
<b>3G broadband</b>	The latest enhancement to the 3G bearer.
<b>4G/LTE</b>	The fourth-generation mobile phone service providing faster data speeds (where available).
<b>Roaming</b>	You can use your mobile device on any other mobile network that has a roaming agreement with your operator, whether in your country or abroad.
<b>SIM</b>	Your Subscriber Identity Module is the postage-stamp-sized chip that you will have received together with your mobile contract. Your SIM has gold contacts on one side.
<b>WPA2</b>	An alternative name for the Wi-Fi network key. For Mac users the term 'WPA2 personal' is used.

The term Mobile Broadband together with the  
'birds' design is a trademark of GSMCLimited.



€ 0700 !

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Product Code:  
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